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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/554,294	07/06/2006	Daniel Mink	4662-88	4455	
	7590 02/07/2008		EXAMINER DENTZ, BERNARD I		
901 NORTH G	NDERHYE, PC LEBE ROAD, 11TH FLOO	OR .			
ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER	
			1625		
			MAIL DATE	DELIVERY MODE	
			02/07/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No		Applicant(s)			
Office Action Summary		10/554,294		MINK ET AL.			
		Examiner		Art Unit			
		Bernard Dentz		1625			
Period for	- The MAILING DATE of this communication ap	opears on the cove	er sheet with the c	orrespondence a	ddress		
A SHC WHIC - Extens after S - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REPLANCE IS LONGER, FROM THE MAILING IS SIDEN OF THE MAILING OF	DATE OF THIS C .136(a). In no event, how d will apply and will expirute, cause the application	OMMUNICATION vever, may a reply be time SIX (6) MONTHS from to become ABANDONED	l. ely filed he mailing date of this () (35 U.S.C. § 133).			
Status							
2a)☐ 3)☐	Responsive to communication(s) filed on This action is FINAL . 2b) Th Since this application is in condition for allow closed in accordance with the practice under	is action is non-fir ance except for fo	ormal matters, pro		e merits is		
Dispositio	on of Claims						
5)	Claim(s) 1-18 is/are pending in the application is a) Of the above claim(s) 16-18 is/are withdray Claim(s) is/are allowed. Claim(s) 1-15 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/on Papers The specification is objected to by the Examination is objected to by the Examination is allowed in the correct in the drawing(s) filed on is/are: a) acceptable and any objection to the Replacement drawing sheet(s) including the correct in oath or declaration is objected to by the Examination is objected to by the E	wown from consider for election require the constant of the co	ement. Djected to by the E d in abeyance. See the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 C			
Priority u	nder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notice 3) Inform	e of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	4)	Interview Summary Paper No(s)/Mail Da Notice of Informal Pa Other:	te			

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Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-15, drawn to a process for making a cyanomethyl lactone, classified in class 549 under lactones
- II. Claims 17 and 18, drawn to tetrahydropyranones, classified in class 549.
- III. Claims 17 and 18 drawn to dioxanyl compounds, classified in class 549 under 6 membered rings with 2 oxygen atoms

Claim 16 is not grouped because it is a non-statutory "use of" claim.

The restriction is proper because the compounds can be made by other methods.

Applicants via telephone elected Gp. I with traverse.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Greenberg et al, US Patent application Publication 2005 0153407 which has an effective date for the instant subject matter of 9-22-2002 based on Provisional Application 60-412625. See Fig. 6, Route A which shows the instant conversion of the instant halomethyl lactone into the instant cyanomethyl lactone.

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Although the specific solvent and lowering of pH are not taught these simple modifications are well known to the person of ordinary skill in the art. See also p. 8

paragraph 0046.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernard Dentz whose telephone number is 571-272-0683. The examiner can normally be reached on Mon-Fri from 8 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres, can be reached on 571 272-0683. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dentz

2--1-2008

BERNARD DENTZ PRIMARY EXAMINER